

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

SUBJECT: Lithium Reanalysis – HW47 18 July 2012
Dimock, PA

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Eastern Response Branch (3HS31)

Samples initially collected from residential wells in Dimock during Weeks 1 through 4 were recently reanalyzed to achieve lower detection limits for lithium. Findings for HW47 are presented below.

Lithium

Lithium was reported in wellhead samples from HW47 at 115 ug/L (unfiltered) and 128 ug/L (filtered). Lithium was not detected in tap samples from this location. The wellhead samples exceed lithium's risk-based screening level of 31 ug/L; long-term exposure to the maximum wellhead concentration of lithium (128 ug/L) would generate a Hazard Quotient of 4.1. Under acute exposure conditions, ATSDR has suggested a screening concentration of 1500 ug/L for lithium in drinking water.



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